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EFS ID: 62382
Application ID: 09620073
Title of Invention: A Repeatable Reference for
Positioning Sensors and
Transducers in Drill Pipe
First Named Inventor: David Hall
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-07-20
Effective Receipt Date: 2004-06-10
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 3609
Attorney Docket Number: 66-0006



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JUN 17 2004

Technology Center 2600

Total Fees Authorized:

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Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 25022ceb076555546e1571591a1710800370d982



TRANSMITTAL

Electronic Version v1.1
Stylesheet Version v1.1.0

| Title of Invention | A Repeatable Reference for Positioning Sensors and Transducers in Drill Pipe | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|---------------|--|--|--|-----------------|------------------------|-------------------|--|--|----------------------|------|--|--|-------------------------|---------|--|--|
| <table><tr><td>Application Number:</td><td>09/620073</td><td rowspan="2"></td><td rowspan="2">RECEIVED JUN 17 2004 Technology Center 2600</td></tr><tr><td>Date:</td><td>2000-07-20</td></tr><tr><td>First Named Applicant:</td><td colspan="2">Mr. David R. Hall</td><td></td></tr><tr><td>Confirmation Number:</td><td>3609</td><td></td><td></td></tr><tr><td>Attorney Docket Number:</td><td>66-0006</td><td></td><td></td></tr></table> | | | Application Number: | 09/620073 |  | RECEIVED JUN 17 2004 Technology Center 2600 | Date: | 2000-07-20 | First Named Applicant: | Mr. David R. Hall | | | Confirmation Number: | 3609 | | | Attorney Docket Number: | 66-0006 | | |
| Application Number: | 09/620073 |  | RECEIVED JUN 17 2004 Technology Center 2600 | | | | | | | | | | | | | | | | | |
| Date: | 2000-07-20 | | | | | | | | | | | | | | | | | | | |
| First Named Applicant: | Mr. David R. Hall | | | | | | | | | | | | | | | | | | | |
| Confirmation Number: | 3609 | | | | | | | | | | | | | | | | | | | |
| Attorney Docket Number: | 66-0006 | | | | | | | | | | | | | | | | | | | |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Mr. Jeffery E. Daly Registered Number: 44,640</td><td>Jeffery E. Daly</td><td>Agent</td></tr></tbody></table> | | | | Submitted by: | Elec. Sign. | Sign. Capacity | Mr. Jeffery E. Daly Registered Number: 44,640 | Jeffery E. Daly | Agent | | | | | | | | | | | |
| Submitted by: | Elec. Sign. | Sign. Capacity | | | | | | | | | | | | | | | | | | |
| Mr. Jeffery E. Daly Registered Number: 44,640 | Jeffery E. Daly | Agent | | | | | | | | | | | | | | | | | | |
| Documents being submitted us-ids | | Files 66-0006IDS-usidst.xml us-ids.dtd us-ids.xsl | | | | | | | | | | | | | | | | | | |
| Comments This IDS is being filed in conjunction with an RCE in this application filed on 5/28/04 | | | | | | | | | | | | | | | | | | | | |



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

| Title of Invention | A Repeatable Reference for Positioning Sensors and Transducers in Drill Pipe |
|---|--|
| <p>Application Number: 09/620073</p> <p>Confirmation Number: 3609</p> <p>First Named Applicant: David Hall</p> <p>Attorney Docket Number: 66-0006</p> <p>Art Unit: 2635</p> <p>Examiner: Mr. Albert Kang Wong</p> <p>Search string:</p> | <div data-bbox="1104 541 1453 583"></div> <div data-bbox="1104 630 1453 840"><p>RECEIVED</p><p>JUN 17 2004</p><p>Technology Center 2600</p></div> <p>(00749633 or 02178931 or 02301783 or 02354887 or 02379800 or 02414719 or 02659773 or 02662123 or 02974303 or 03079549 or 03090031 or 03186222 or 03194886 or 03209323 or 03227973 or 03518608 or 03793632 or 03807502 or 03879097 or 03957118 or 03989330 or 04012092 or 04087781 or 04348672 or 04537457 or 04578675 or 04605268 or 04660910 or 04683944 or 04698631 or 04722402 or 04785247 or 04788544 or 04806928 or 04901069 or 04914433 or 04924949 or 05008664 or 05052941 or 05148408 or 05248857 or 05278550 or 05302138 or 05332049 or 05334801 or 05371496 or 05454605 or 05455573 or 05505502 or 05517843 or 05521592 or 05650983 or 05691712 or 05743301 or 05810401 or 05833490 or 05853199 or 05856710 or 05898408 or 05924499 or 05942990 or 05955966 or 05959547 or 05971072 or 06030004 or 06045165 or 06046685 or 06057784 or 06104707 or 06108268 or 06123561 or 06141763 or 06173334 or 06177882 or 06188223 or 06196335 or 06223826 or 06367565 or 06392317 or RE35790 or 04121193 or 04126848 or 02633414 or 02982360 or 05311661 or 05517843 or 02178931 or 02197392 or 02249769 or 02531120 or 02748358 or 03170137 or 03253245 or 04496203 or 06209632 or 06405795 or</p> |

06655464 or 06641434 or 06670880 or
06057784 or 20020135179 or 20020193004 or
20030070842 or 20030213598).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date | Patentee | Kind | Class | Subclass |
|------|----------|------------|------------|------------------|------|-------|----------|
| | 1 | 00749633 | 1904-01-12 | Seeley | B1 | | |
| | 2 | 02178931 | 1939-11-07 | Crites et al | B1 | | |
| | 3 | 02301783 | 1942-11-10 | Lee | B1 | | |
| | 4 | 02354887 | 1944-08-01 | Silverman et al | B1 | | |
| | 5 | 02379800 | 1945-07-03 | Hare | B1 | | |
| | 6 | 02414719 | 1947-01-21 | Cloud | B1 | | |
| | 7 | 02659773 | 1953-11-17 | Barney | B1 | | |
| | 8 | 02662123 | 1953-12-08 | Koenig Jr | B1 | | |
| | 9 | 02974303 | 1961-03-07 | Dixon | B1 | | |
| | 10 | 03079549 | 1963-02-26 | Martin | B1 | | |
| | 11 | 03090031 | 1963-05-14 | Lord | B1 | | |
| | 12 | 03186222 | 1965-06-01 | Martin | B1 | | |
| | 13 | 03194886 | 1965-07-13 | Mason | B1 | | |
| | 14 | 03209323 | 1965-09-28 | Grossman Jr | B1 | | |
| | 15 | 03227973 | 1966-01-14 | Gray | B1 | | |
| | 16 | 03518608 | 1970-06-30 | Papadopoulos | B1 | | |
| | 17 | 03793632 | 1974-02-19 | Still | B1 | | |
| | 18 | 03807502 | 1974-04-30 | Heilhecker et al | B1 | | |
| | 19 | 03879097 | 1975-04-22 | Oertle | B1 | | |
| | 20 | 03957118 | 1976-05-18 | Barry et al | B1 | | |
| | 21 | 03989330 | 1976-11-02 | Cullen et al | B1 | | |
| | 22 | 04012092 | 1977-03-15 | Godbey | B1 | | |
| | 23 | 04087781 | 1978-05-02 | Grossi et al | B1 | | |
| | 24 | 04348672 | 1982-09-07 | Givler | B1 | | |
| | 25 | 04537457 | 1985-08-27 | Davis Jr et al | B1 | | |
| | 26 | 04578675 | 1986-03-25 | Macleod | B1 | | |
| | 27 | 04605268 | 1986-08-12 | Meador | B1 | | |
| | 28 | 04660910 | 1987-04-28 | Sharp et al | B1 | | |
| | 29 | 04683944 | 1987-08-04 | Curlett | B1 | | |

| | | | | | |
|--|----|----------|------------|-----------------------|----|
| | 30 | 04698631 | 1987-10-06 | Kelly Jr et al | B1 |
| | 31 | 04722402 | 1988-02-02 | Weldon | B1 |
| | 32 | 04785247 | 1988-11-15 | Meador et al. | B1 |
| | 33 | 04788544 | 1988-11-29 | Howard | B1 |
| | 34 | 04806928 | 1989-02-21 | Veneruso | B1 |
| | 35 | 04901069 | 1990-02-13 | Veneruso | B1 |
| | 36 | 04914433 | 1990-03-04 | Galle | B1 |
| | 37 | 04924949 | 1990-05-15 | Curlett | B1 |
| | 38 | 05008664 | 1991-04-16 | More et al | B1 |
| | 39 | 05052941 | 1991-10-01 | Hernandez-Marti et al | B1 |
| | 40 | 05148408 | 1992-09-15 | Matthews | B1 |
| | 41 | 05248857 | 1993-09-28 | Ollivier | B1 |
| | 42 | 05278550 | 1994-01-11 | Rhein-Knudsen et al | B1 |
| | 43 | 05302138 | 1994-04-12 | Shields | B1 |
| | 44 | 05332049 | 1994-07-26 | Tew | B1 |
| | 45 | 05334801 | 1994-08-02 | Mohn | B1 |
| | 46 | 05371496 | 1994-12-06 | Tanamachi | B1 |
| | 47 | 05454605 | 1995-10-03 | Mott | B1 |
| | 48 | 05455573 | 1995-10-03 | Delatorre | B1 |
| | 49 | 05505502 | 1996-04-09 | Smith et al | B1 |
| | 50 | 05517843 | 1996-05-21 | Winship | B1 |
| | 51 | 05521592 | 1996-05-28 | Veneruso | B1 |
| | 52 | 05650983 | 1997-07-22 | Kondo et al | B1 |
| | 53 | 05691712 | 1997-11-25 | Meek et al | B1 |
| | 54 | 05743301 | 1998-04-28 | Winship | B1 |
| | 55 | 05810401 | 1998-09-22 | Mosing et al | B1 |
| | 56 | 05833490 | 1998-11-10 | Bouldin | B1 |
| | 57 | 05853199 | 1998-12-29 | Wilson | B1 |
| | 58 | 05856710 | 1999-01-05 | Baughman et al | B1 |
| | 59 | 05898408 | 1999-04-27 | Du | B1 |
| | 60 | 05924499 | 1999-07-20 | Birchak et al | B1 |
| | 61 | 05942990 | 1999-08-24 | Smith et al | B1 |
| | 62 | 05955966 | 1999-09-21 | Jeffryes et al | B1 |
| | 63 | 05959547 | 1999-09-28 | Tubel et al | B1 |
| | 64 | 05971072 | 1999-10-26 | Huber et al | B1 |
| | 65 | 06030004 | 2000-02-29 | Schnock et al | B1 |

| | | | | | |
|--|-----|----------|------------|--------------------|----|
| | 66 | 06045165 | 2000-04-04 | Sugino et al | B1 |
| | 67 | 06046685 | 2000-04-04 | Tubel | B1 |
| | 68 | 06057784 | 2000-05-02 | Schaaf et al | B1 |
| | 69 | 06104707 | 2000-08-15 | Abraham | B1 |
| | 70 | 06108268 | 2000-08-22 | Moss | B1 |
| | 71 | 06123561 | 2000-09-26 | Turner et al | B1 |
| | 72 | 06141763 | 2000-10-31 | Smith et al | B1 |
| | 73 | 06173334 | 2001-01-09 | Matsuzaki et al | B1 |
| | 74 | 06177882 | 2001-01-23 | Ringgenberg et al | B1 |
| | 75 | 06188223 | 2001-02-13 | van Steenwyk et al | B1 |
| | 76 | 06196335 | 2001-03-06 | Rodney | B1 |
| | 77 | 06223826 | 2001-01-05 | Chau et al | B1 |
| | 78 | 06367565 | 2002-04-09 | Hall | B1 |
| | 79 | 06392317 | 2002-05-21 | Hall et al | B1 |
| | 80 | RE35790 | 1998-05-12 | Pustanyk et al | B1 |
| | 81 | 04121193 | 1978-10-17 | Denison | B1 |
| | 82 | 04126848 | 1978-11-21 | Denison | B1 |
| | 83 | 02633414 | 1953-03-31 | Boivinet | B1 |
| | 84 | 02982360 | 1961-05-02 | Morton et al | B1 |
| | 85 | 05311661 | 1994-05-17 | Zifferer | B1 |
| | 86 | 05517843 | 1996-05-21 | Winship | B1 |
| | 87 | 02178931 | 1939-11-07 | Crites et al. | B1 |
| | 88 | 02197392 | 1940-04-16 | Hawthorn | B1 |
| | 89 | 02249769 | 1941-07-22 | Leonardon | B1 |
| | 90 | 02531120 | 1950-11-21 | Feaster | B1 |
| | 91 | 02748358 | 1956-05-29 | Johnston | B1 |
| | 92 | 03170137 | 1965-02-16 | Brandt | B1 |
| | 93 | 03253245 | 1966-05-24 | Brandt | B1 |
| | 94 | 04496203 | 1985-01-29 | Meadows | B1 |
| | 95 | 06209632 | 2001-04-03 | Holbert et al. | B1 |
| | 96 | 06405795 | 2002-06-18 | Holbert et al. | B2 |
| | 97 | 06655464 | 2003-12-02 | Chau et al. | B2 |
| | 98 | 06641434 | 2003-11-04 | Boyle et al. | B2 |
| | 99 | 06670880 | 2003-12-30 | Hall et al. | B2 |
| | 100 | 06057784 | 2000-05-02 | Schaaf et al | B1 |

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

| init | Cite.No. | Pub. No. | Date | Applicant | Kind | Class | Subclass |
|------|----------|-------------|------------|--------------|------|-------|----------|
| | 1 | 20020135179 | 2002-09-26 | Boyle et al | A1 | | |
| | 2 | 20020193004 | 2002-12-19 | Boyle et al | A1 | | |
| | 3 | 20030070842 | 2003-04-17 | Bailey et al | A1 | | |
| | 4 | 20030213598 | 2003-11-20 | Hughes | A1 | | |

Signature

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| Examiner Name | Date |
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